

MESOSCALE DISCUSSION 0727
NWS STORM PREDICTION CENTER NORMAN OK
0202 PM CDT TUE MAY 27 2014

AREAS AFFECTED...ERN NY INCLUDING PARTS OF WRN LONG ISLAND/NRN
NJ/WRN VT/WRN MA/WRN CT

CONCERNING...SEVERE POTENTIAL...WATCH POSSIBLE

VALID 271902Z - 272000Z

PROBABILITY OF WATCH ISSUANCE...40 PERCENT

SUMMARY...WW ISSUANCE MAY BE NEEDED THIS AFTERNOON INTO THE EARLY
EVENING AS STORMS INCREASE IN COVERAGE/INTENSITY ACROSS ERN NY/NRN
NJ INTO PARTS OF WRN NEW ENGLAND.

DISCUSSION...EARLY AFTERNOON RADAR IMAGERY SHOWED A FEW TSTMS HAD
DEVELOPED OVER NRN UPSTATE NY IN NRN ESSEX AND SRN FRANKLIN
COUNTIES. WEAKER LOW-LEVEL CONVERGENCE WITH SWD EXTENT ALONG A
SURFACE TROUGH HAS TENDED TO LIMIT TSTM DEVELOPMENT...WITH A FEW
SHOWERS OVER FAR ERN AND SERN NY...AND AN ISOLATED STORM LOCATED 40
W ALB. ALTHOUGH DEEP LAYER SHEAR OF 30-40 KT ACROSS THE DISCUSSION
AREA IS MORE THAN SUFFICIENT FOR STORM ORGANIZATION...INSTABILITY IS
WEAKER /500-1200 J PER KG/ ACROSS ERN NY/NRN NJ INTO WRN NEW ENGLAND
AS COMPARED TO AREAS FARTHER W/SW INTO THE CENTRAL APPALACHIANS/
MID-ATLANTIC STATES. THIS LATTER FACTOR AND WEAK LOW-LEVEL
CONVERGENCE APPEAR TO BE LIMITING GREATER STORM DEVELOPMENT/
COVERAGE/INTENSITY THUS FAR.

LAST SEVERAL RUNS /12-16Z/ OF THE HRRR WOULD SUGGEST THAT STORM
COVERAGE MAY TEND TO BE LIMITED ACROSS ERN NY INTO WRN NEW ENGLAND
AS DEPICTED BY ONGOING TRENDS IN RADAR IMAGERY. THE EXCEPTION
SHOULD BE ACROSS SERN NY INTO PARTS OF NJ LATER THIS AFTERNOON AS
STORMS MOVE INTO THIS REGION FROM PA.

..PETERS/CORFIDI.. 05/27/2014

...PLEASE SEE WWW.SPC.NOAA.GOV FOR GRAPHIC PRODUCT...

ATTN...WFO...BOX...BTV...OKX...ALY...PHI...BGM...